#### SEQUENCE LISTING

#### (1) GENERAL INFORMATION:

(i) APPLICANT: THE GENERAL HOSPITAL CORPORATION FRUIT STREET
BOSTON, MA 02114
UNITED STATES OF AMERICA

APPLICANT/INVENTOR: de la Monte, Suzanne Wands, Jack R.

- (ii) TITLE OF INVENTION: Transgenic Animals and Cell Lines for Screening Drugs Effective for the Treatment or Prevention of Alzheimer's Disease
- (iii) NUMBER OF SEQUENCES: 14
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
  - (B) STREET: 1100 New York Ave., Suite 600
  - (C) CITY: Washington
  - (D) STATE: DC
  - (E) COUNTRY: USA
  - (F) ZIP: 20005-3934
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: To be assigned
  - (B) FILING DATE: Herewith
  - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 60/038,908
  - (B) FILING DATE: 26-FEB-1997
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Esmond, Robert W.
  - (B) REGISTRATION NUMBER: 32,893
  - (C) REFERENCE/DOCKET NUMBER: 0609.437PC01
  - (ix) TELECOMMUNICATION INFORMATION:
    - (A) TELEPHONE: 202-371-2600
    - (B) TELEFAX: 202-371-2540
- (2) INFORMATION FOR SEQ ID NO:1:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 1442 base pairs

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: both
- (ii) MOLECULE TYPE: cDNA
- (ix) FEATURE:
  - (A) NAME/KEY: CDS
  - (B) LOCATION: 15..1139
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

TT	TTTT	ГТТТ	TGA	ATO Met	G GAC	TTT Phe	TCG Ser	CTC Leu 5	Leu	TTO	CCC Pro	C AGO	G CTC J Let 10	ı Glı	G TGC 1 Cys		50
AA1 Asr	GG(	C GCA Ala	a 11€	C TCA Ser	GCT Ala	'CAC	CGC Arg 20	Asn	CTC	CGC Arg	CTC	C CCC Pro 25	Gly	TC/ Sei	A AGC Ser		98
GAT Asp	TCI Ser 30	·Pro	GCC Ala	TCA Ser	GCC Ala	TCC Ser 35	CCA Pro	GTA Val	GCT Ala	GGG Gly	ATT Ile 40	Thr	GGC	ATO Met	TGC Cys		146
ACC Thr 45	Hls	GCT Ala	CGG Arg	CTA Leu	ATT Ile 50	Leu	TAT Tyr	TTT Phe	TTT Phe	TTA Leu 55	GTA Val	GAG Glu	ATG Met	GAG Glu	TTT Phe 60		194
CTC Leu	CAT His	GTT Val	GGT Gly	CAG Gln 65	GCT Ala	GGT Gly	CTC Leu	GAA Glu	CTC Leu 70	CCG Pro	ACC Thr	TCA Ser	GAT Asp	GAT Asp 75	CCC Pro		242
TCC Ser	GTC Val	TCG Ser	GCC Ala 80	TCC Ser	CAA Gln	AGT Ser	GCT Ala	AGA Arg 85	TAC Tyr	AGG Arg	ACT Thr	GGC Gly	CAC His 90	CAT His	GCC Ala		290
CGG Arg	CTC Leu	TGC Cys 95	CTG Leu	GCT Ala	AAT Asn	TTT Phe	TGT Cys 100	GGT Gly	AGA Arg	AAC Asn	AGG Arg	GTT Val 105	TCA Ser	CTG Leu	ATG Met		338
TGC Cys	CCA Pro 110	AGC Ser	TGG Trp	TCT Ser	CCT Pro	GAG Glu 115	CTC Leu	AAG Lys	CAG Gln	TCC Ser	ACC Thr 120	TGC Cys	CTC Leu	AGC Ser	CTC Leu		386
CCA Pro 125	AAG Lys	TGC Cys	TGG Trp	GAT Asp	TAC Tyr 130	AGG Arg	CGT Arg	GCA Ala	GCC Ala	GTG Val 135	CCT Pro	GGC Gly	CTT Leu	TTT Phe	ATT Ile 140		434
TTA Leu	TTT Phe	TTT Phe	TTA Leu	AGA Arg 145	CAC His	AGG Arg	TGT Cys	Pro	ACT Thr 150	CTT Leu	ACC Thr	CAG Gln	Asp	GAA Glu 155	GTG Val	•••	482
CAG Gln	TGG Trp	TGT Cys	GAT Asp	CAC His	AGC Ser	TCA Ser	CTG (	CAG Gln	CCT Pro	TCA . Ser '	ACT Thr	CCT Pro	GAG . Glu	ATC Ile	AAG Lys		530

CAT CCT CCT GCC TCA GCC TCC CAA GTA GCT GGG ACC AAA GAC ATG CAC His Pro Pro Ala Ser Ala Ser Gln Val Ala Gly Thr Lys Asp Met His CAC TAC ACC TGG CTA ATT TTT ATT TTT ATT TTT AAT TTT TTG AGA CAG His Tyr Thr Trp Leu Ile Phe Ile Phe Ile Phe Asn Phe Leu Arg Gln AGT CTC AAC TCT GTC ACC CAG GCT GGA GTG CAG TGG CGC AAT CTT GGC Ser Leu Asn Ser Val Thr Gln Ala Gly Val Gln Trp Arg Asn Leu Gly TCA CTG CAA CCT CTG CCT CCC GGG TTC AAG TTA TTC TCC TGC CCC AGC Ser Leu Gln Pro Leu Pro Pro Gly Phe Lys Leu Phe Ser Cys Pro Ser CTC CTG AGT AGC TGG GAC TAC AGG CGC CCA CCA CGC CTA GCT AAT TTT Leu Leu Ser Ser Trp Asp Tyr Arg Arg Pro Pro Arg Leu Ala Asn Phe TTT GTA TTT TTA GTA GAG ATG GGG TTC ACC ATG TTC GCC AGG TTG ATC Phe Val Phe Leu Val Glu Met Gly Phe Thr Met Phe Ala Arg Leu Ile TTG ATC TCT GGA CCT TGT GAT CTG CCT GCC TCG GCC TCC CAA AGT GCT Leu Ile Ser Gly Pro Cys Asp Leu Pro Ala Ser Ala Ser Gln Ser Ala GGG ATT ACA GGC GTG AGC CAC CAC GCC CGG CTT ATT TTT AAT TTT TGT Gly Ile Thr Gly Val Ser His His Ala Arg Leu Ile Phe Asn Phe Cys TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG Leu Phe Glu Met Glu Ser His Ser Val Thr Gln Ala Gly Val Gln Trp CCA AAT CTC GGC TCA CTG CAA CCT CTG CCT CCC GGG CTC AAG CGA TTC Pro Asn Leu Gly Ser Leu Gln Pro Leu Pro Pro Gly Leu Lys Arg Phe TCC TGT CTC AGC CTC CCA AGC AGC TGG GAT TAC GGG CAC CTG CCA CCA Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr Gly His Leu Pro Pro CAC CCC GCT AAT TTT TGT ATT TTC ATT AGA GGC GGG GTT TCA CCA TAT His Pro Ala Asn Phe Cys Ile Phe Ile Arg Gly Gly Val Ser Pro Tyr TTG TCA GGC TGG TCT CAA ACT CCT GAC CTC AGG TGACCCACCT GCCTCAGCCT Leu Ser Gly Trp Ser Gln Thr Pro Asp Leu Arg TCCAAAGTGC TGGGATTACA GGCGTGAGCC ACCTCACCCA GCCGGCTAAT TTAGATAAAA 

AAATATGTAG	CAATGGGGGG	TCTTGCTATG	TTGCCCAGGC	TGGTCTCAAA	CTTCTGGCTT	1279
CATGCAATCC	TTCCAAATGA	GCCACAACAC	CCAGCCAGTC	ACATTTTTTA	AACAGTTACA	1339
TCTTTATTTT	AGTATACTAG	AAAGTAATAC	AATAAACATG	TCAAACCTGC	AAATTCAGTA	1399
GTAACAGAGT	TCTTTTATAA	CTTTTAAACA	AAGCTTTAGA	GCA		1442

#### (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 375 amino acids
  - (B) TYPE: amino acid
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:,

Met Glu Phe Ser Leu Leu Pro Arg Leu Glu Cys Asn Gly Ala Ile 1 5 10 15

Ser Ala His Arg Asn Leu Arg Leu Pro Gly Ser Ser Asp Ser Pro Ala 20 25 30

Ser Ala Ser Pro Val Ala Gly Ile Thr Gly Met Cys Thr His Ala Arg

Leu Ile Leu Tyr Phe Phe Leu Val Glu Met Glu Phe Leu His Val Gly 50 60

Gln Ala Gly Leu Glu Leu Pro Thr Ser Asp Asp Pro Ser Val Ser Ala 65 70 75 80

Ser Gln Ser Ala Arg Tyr Arg Thr Gly His His Ala Arg Leu Cys Leu 85 90 95

Ala Asn Phe Cys Gly Arg Asn Arg Val Ser Leu Met Cys Pro Ser Trp 100 105 110

Ser Pro Glu Leu Lys Gln Ser Thr Cys Leu Ser Leu Pro Lys Cys Trp 115 120 125

Asp Tyr Arg Arg Ala Ala Val Pro Gly Leu Phe Ile Leu Phe Phe Leu 130 135 140

Arg His Arg Cys Pro Thr Leu Thr Gln Asp Glu Val Gln Trp Cys Asp 145

His Ser Ser Leu Gln Pro Ser Thr Pro Glu Ile Lys His Pro Pro Ala 165 170 175

Ser Ala Ser Gln Val Ala Gly Thr Lys Asp Met His His Tyr Thr Trp 180 185 190

									-56	5-					
Le	u Ile	Phe 195	e Ile	e Phe	e Ile	e Phe	e Asr 200	n Phe	e Le	u Ar	g Gl:	n Se 20		u As	n Sei
Va.	1 Thr 210	Glr	n Ala	Gly	v Val	Glr 215	Trp	o Aro	g Ası	า Leเ	220		r Le	u Gli	n Pro
Let 225	ı Pro	Pro	Gly	Phe	Lys 230	Leu	Phe	e Ser	Cys	235	Sei	Let	ı Let	ı Sei	Ser 240
Trp	Asp	Tyr	Arg	Arg 245	Pro	Pro	Arg	Leu	Ala 250	Asn	Phe	Phe	· Val	Phe 255	e Leu
Val	Glu	Met	Gly 260	Phe	Thr	Met	Phe	Ala 265	Arg	Leu	Ile	Leu	11e		Gly
Pro	Суз	Asp 275	Leu	Pro	Ala	Ser	Ala 280	Ser	Gln	Ser	Ala	Gly 285		Thr	Gly
Val	Ser 290	His	His	Ala	Arg	Leu 295	Ile	Phe	Asn	Phe	<b>Cys</b> 300		Phe	Glu	Met
Glu 305	Ser	His	Ser	Val	Thr 310	Gln	Ala	Gly	Val	Gln 315	Trp	Pro	Asn	Leu	Gly 320
Ser	Leu	Gln	Pro	Leu 325	Pro	Pro	Gly	Leu	Lys 330	Arg	Phe	Ser	Cys	Leu 335	Ser
Leu	Pro	Ser	Ser 340	Trp	Asp	Tyr	Gly	His 345	Leu	Pro	Pro	His	Pro 350	Ala	Asn
Phe	Cys	Ile 355	Phe	Ile	Arg	Gly	Gly 360	Val	Ser	Pro		Leu 365	Ser	Gly	Trp
Ser	Gln 370	Thr	Pro	Asp		Arg 375	-								
(2)	INFO	RMAT	ION	FOR :	SEQ	ID N	0:3:								
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 1381 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>														

## (ii) MOLECULE TYPE: cDNA

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

(C) STRANDEDNESS: double

(D) TOPOLOGY: both

TTTTTTTTT	GAGATGGAGT	TTTCGCTCTT	GTTGCCCAGG	CTGGAGTGCA	ATGGCGCAA <u>T</u>	60
CTCAGCTCAC	CGCAACCTCC	GCCTCCCGGG	TTCAAGCGAT	TCTCCTGCCT	CAGCCTCCCC	120
AGTAGCTGGG	ATTACAGGCA	TGTGCACCAC	GCTCGGCTAA	TTTTGTATTT	TTTTTTAGTA	180

GAGATGGAGI	TTAACTCCA1	GTTGGTCAGO	G CTGGTCTCG!	A ACTCCCGACO	TCAGATGATC	240
TCCCGTCTCG	GCCTGCCCAA	A AGTGCTGAGA	A TTACAGGCAT	GAGCCACCAT	GCCCGGCCTC	300
TGCCTGGCTA	ATTTTTGTGG	TAGAAACAGG	GTTTCACTGA	TGTTGCCCA	GCTGGTCTCC	360
TGAGCTCAAG	CAGTCCACCT	GCCTCAGCCT	CCCAAAGTGC	TGGGATTACA	GGCGTCAGCC	420
GTGCCTGGCC	TTTTTATTTT	ATTTTTTTA	AGACACAGGT	GTACCACTCT	TACCCAGGAT	480
GAAGTGCAGT	GGTGTGATCA	CAGCTCACTG	CAGCCTTCAA	CTCCTGAGAT	CAAGCAATCC	540
TCCTGCCTCA	GCCTCCCAAG	TAGCTGGGAC	CAAAGACATG	CACCACTACA	CCTGGTAATT	600
TTTATTTTTA	TTTTTAATTT	TTTGAGACAG	AGTCTCACTC	TGTCACCCAG	GCTGGAGTGC	660
AGTGGCGCAA	TCTTGGCTCA	CTGCAACCTC	TGCCTCCCGG	GTTCAAGTTA	TTCTCCTGCC	720
CCAGCCTCCT	GAGTAGCTGG	GACTACAGGC	GCCCACCACG	CÇTAGCTAAT	TTTTTTGTAT	780
TTTTAGTAGA	GATGGGGTTT	CACCATGTTC	GCCAGGTTGA	TCTTGATCTC	TTGACCTTGT	840
GATCTGCCTG	CCTCGGCCTA	CCCAAAGTGC	TGGGATTACA	GGTCGTGACT	CCACGCCGGC	900
СТАТТТТТАА	TTTTTGTTTG	TTTGAAATGG	AATCTCACTC	TGTTACCCAG	GTCGGAGTGC	960
AATGGCAAAT	CTCGGCTACT	CGCAACCTCT	GCCTCCCGGG	TCAAGCGATT	CTCCTGTCTC	1020
AGCCTCCCAA	GCAGCTGGGA	TTACGGGACC	TGCACCACAC	CCCGCTAATT	TTTGTATTTT	1080
CATTAGAGGC	GGGTTTACCA	TATTTGTCAG	GCTGGGTCTC	AAACTCCTGA	CCTCAGGTGA	1140
CCCACCTGCC	TCAGCCTTCC	AAAGTGCTGG	GATTACAGGC	GTGAGCCACC	TCACCCAGCC	1200
GGCTAATTTG	GAÀTAAAAAA	TATGTAGCAA	TGGGGGTCTG	CTATGTTGCC	CAGGCTGGTC	1260
TCAAACTTCT	GGCTTCAGTC	AATCCTTCCA	AATGAGCCAC	AACACCCAGC	CAGTCACATT	1320
TTTAAACAG	TTACATCTTT	ATTTTAGTAT	ACTAGAAAGT	AATACAATAA	ACATGTCAAA	1380
C <sub>.</sub>						1381

### (2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 1418 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: both
  - (D) TOPOLOGY: both
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

	TTTTTTTTT	GAGATGGAGT	TTTCGCTCTT	GTTGCCCAGG	CTGGAGTGCA	ATGGCGCAAT	60
	CTCAGCTCAC	CGCAACCTCC	GCCTCCCGGG	TTCAAGCGAT	TCTCCTGCCT	CAGCCTCCCC	120
	AGTAGGCTGG	GATTACAGGC	ATGTGCACCA	CGCTCGGCTA	ATTTTGTATT	TTTTTTTAGT	180
	AGAGATGGAG	TTTCTCCATG	TTGGTCAGGC	TGGTCTCGAA	CTCCGACCTC	AGATGATCCT	240
	CCCGTCTCGG	CCTCCCAAAG	TGCTAGATAC	AGGACTGAGC	ACCATGCCCG	GCCTCTGCCT	300
	GGCTAATTTT	TGTGGTAGAA	ACAGGGTTTC	ACTGATGTGC	CCAAGCTGGT	CTCCTGAGCT	360
	CAAGCAGTCC	ACCTGCCTCA	GCCTCCCAAA	GTGCTGGGAT	TACAGGCGTG	CAGCCGTGCC	420
	TGGCCTTTTT	ATTTTATTTT	TTTTAAGACA	CAGGTGTCCC	ACTCTTACCC	AGGATGAAGT	480
	GCAGTGGTGT	GATCACAGCT	CACTGCAGCC	TTCAACTCTG	AGATCAAGCA	TCCTCCTGCC	540
	TCAGCCTCCC	AAAGTAGCTG	GGACCAAAGA	CATGCACCAC	TACACCTGGC	TAATTTTTAT	600
	TTTTATTTT	AATTTTTGA	GACAGAGTCT	CAACTCTGTC	ACCCAGGCTG	GAGTGCAGTG	660
	GCGCAATCTT	GGCTCACTGC	AACCTCTGCC	TCCCGGGTTC	AAGTTATTCT	CCTGCCCCAG	720
	CCTCCTGAGT	AGCTGGGACT	ACAGGCGCCC	ACCACGCCTA	GCTAATTTTT	TTGTATTTTT	780
	AGTAGAGATG	GGGTTTCACC	ATGTTCGCCA	GGTTGATGCT	AGATCTCTTG	ACCTTGTGAT	840
	CTGCCTGCCT	CGGCCTCCCA	AAGTGCTGGG	ATTACAGGAC	GTGACGCCCA	CCGCCCGGCC	900
	TATTTTTAT	TTTTGTTTGT	TTGAAATGGA	ATCTCACTCT	GTTACCCAGG	CTGGAGTGCA	960
	ATGGCCAAAT	CTCGGCTCAC	TGCAACCTCT	GCCTCCCGGG	CTCAAGCGAT	TCTCCTGTCT	1020
	CAGCCTCCCA	AGCAGCTGGG	ATTACGGGCA	CCTGCACCAC	ACCCCGCTAA	TTTTTGTATT	1080
	TTCATTAGAG	GCGGGGTTTC	ACCATATTTG	TCAGGCTGGT	CTCAAACTCC	TGACCTCAGG	1140
	TGACCCACCT	GCCTCAGCCT	TCCAAAGTGC	TGGGATTACA	GGCGTGACGC	CTCACCCAGC	1200
	CGGCTAATTT	AGATAAAAAA	ATATGTAGCA	ATGGGGGGTC	TTGCTATGTT	GCCCAGGCTG	1260
	GTCTCAAACT	TCTGGCTTCA	TGCAATCCTT	CCAAATGAGC	CACAACACCC	AGCCAGTCAC	1320
•	ATTTTTAAAC	AGTTACATCT	TTATTTTAGT	ATACTAGAAA	GTGATACGAT	AACATGGCGG	1380
,	AACCTGCAAA	TTCGAGTAGT	ACAGAGTCTT	ТТАТААСТ			1418
						•	

### (2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

(ii)	MOLECULE	TYPE:	CDNA
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(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 19 base pairs

(C) STRANDEDNESS: single

(B) TYPE: nucleic acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:	
TGTCCCACTC TTACCCAGGA TG	22
(2) INFORMATION FOR SEQ ID NO:6:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 24 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
AAGCAGGCAG ATCACAAGGT CCAG	24
(2) INFORMATION FOR SEQ ID NO:7:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 20 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
AATGGATGAC GATATCGCTG	20
(2) INFORMATION FOR SEQ ID NO:8:	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
ATGAGGTAGT CTGTCAGGT	. 1
(2) INFORMATION FOR SEQ ID NO:9:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 30 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> </ul>	
(ii) MOLECULE TYPE: cDNA	÷
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	
TTCATCCTGG GTAAGAGTGG GACACCTGTG	. 30
(2) INFORMATION FOR SEQ ID NO:10:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 26 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> </ul>	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
TGGTGCATGT CTTTGGTCCC AGCTAC	26
(2) INFORMATION FOR SEQ ID NO:11:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 30 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> </ul>	
(ii) MOLECULE TYPE: cDNA	

(2) INFORMATION FOR SEQ ID NO:12:

ATCAACCTGG CGAACATGGT GAACCCCATC

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

30

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 14 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12: CACTGCACTT NCCA	
	14
(2) INFORMATION FOR SEQ ID NO:13:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 14 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:	
CCAGGTGTAG NCCA	4
(2) INFORMATION FOR SEQ ID NO:14:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 14 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14: CAAGGTCCAG NCCA

14